



United Oil
PERFORMANCE • VALUE • RELIABILITY

UNITED MAX PROTECTION

Product Description:

United Max Protection Fully Synthetic Engine Oil is formulated using Polyalphaolefin (PAO) and high-quality synthetic base oil fortified with advanced technology additive, yielding a high-performance lubricant with enhance properties in oxidation stability, high temperature thermal stability, low-temperature mobility, low pour point characteristic and natural high viscosity index for gasoline as well as diesel vehicles.

In addition, United Max Protection Fully Synthetic Engine oil takes specific advantage of both base oil and additive properties; the unique formulation beneficial in improving fuel efficiency while maintain lower Noack volatility for less hydrocarbon tailpipe emission. United Max Protection Fully Synthetic Engine Oil will give rise to more efficient engine performance by reducing friction that helps in energy conserving and ensure better lubrication of engine components.

United Max Protection Fully Synthetic Engine Oil is ideal for modern high-output, low-emission, turbocharged direct injection (TDI) engines that are commonly found in the latest European and Japanese models.

Applications / Benefits:

- ▣ Meet the requirements of the latest engine test regimes.
- ▣ The polyalphaolefins in the product provides super fluidity over a wide range of temperatures and operating conditions.
- ▣ Full SAPS formulation guarantees protection from rust and corrosion for the entire period of operation.
- ▣ Improves engine performance, yet energy conserving.
- ▣ Excellent control of wear and piston deposits.
- ▣ Oil change interval may be shorter than the recommendations of automaker due to severe operating conditions.

Typical Characteristics:

Test Description	Method	5W30	5W40
SAE Viscosity Grade	SAE J 300	5W30	5W40
Specific Gravity @ 15 °C	ASTM D 4052	0.851	0.850
Flash Point, °C	ASTM D 92	212	220
Pour Point, °C	ASTM D 97	-39	-39
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	70.1	88.9
cSt @ 100°C	ASTM D 445	11.8	14.5
Viscosity Index	ASTM D 2270	165	170
TBN, mgKOH/g	ASTM D 2896	11.0	11.0
Color	ASTM D 1500	<3.5	<3.5
CCS, cP	ASTM D 5293	≤6600	≤6600
HTHS, cP	ASTM D 5481	≥3.5	≥3.5

Product Data Sheet



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Specifications, Approvals & Recommendations:

- API SP
- ACEA A3/B3
- ACEA A3/B4
- Fiat M2 *
- MB 229.3
- MB 229.5
- MB 226.5
- Renault RN 0710 / 0700
- VW 502.00 / 505.00

*Please note official claim apply to SAE 5W40, only

Product Data Sheet